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Customer No.: 31561
Docket No.: 12194-US-PA
Application No.: 10/707,738

AMENDMENTS

To the Claims:

Claim 1 (currently amended) A device capable of integrating a card-reading function and an instruction-input function, having a printed circuit board (PCB) and a transmission interface on the printed circuit board for coupling to an external device, comprising:

a memory card connector implemented on the printed circuit board for electrically coupling a memory card and accessing the memory card;

a human-machine interface module implemented on the printed circuit board for storing an outside-instruction and producing a break instruction; and

an integrated chip electrically coupling to the transmission interface, the memory card connector and the human-machine interface module, wherein the integrated chip is capable of parallel processing input/output of the memory card connector and transmitting the break instruction from the human-machine interface module to the external device.

Claim 2 (original) The device of claim 1, wherein the transmission interface comprises a serial bus interface.

Claim 3 (original) The device of claim 2, wherein the serial bus interface comprises a universal serial bus (USB) interface.

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Claim 4 (original) The device of claim 1, wherein the transmission interface comprises a parallel transmission interface.

Claim 5 (original) The device of claim 4, wherein the parallel transmission interface comprises a parallel port.

Claim 6 (original) The device of claim 1, wherein the memory card connector comprises at least one socket.

Claim 7 (original) The device of claim 1 or claim 6, wherein the memory card connector is able to electrically couple to at least one of the many formats of a memory card.

Claim 8 (original) The device of claim 1, wherein the human-machine interface module support devices including a button-type receiver, a wireless receiver, or an infrared receiver.

Claim 9 (original) The device of claim 1, wherein the device further comprises a cover, and a keyboard or a mouse position corresponding to the button-type receiver on the cover as input media.

Claim 10 (original) An integrated chip capable of integrating a card-reading function and an instruction-input function, comprising:

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an interface engine, for processing serial/parallel information to an external device;

a memory card interface module, for transmitting an input/output from/to a memory card;

a common input/output module, for receiving a break instruction from one of the many different formats of an input interface;

a memory module electrically coupling to the interface engine, the memory card interface module for storing the input/output and a concurrent program; and

a micro-controller electrically coupling to the interface engine, the memory card interface module, and the common input/output module and the memory module for processing the input/output and the break instruction from the memory card interface module and the common input/output module, wherein the micro-controller controls the transmission between the memory module and the external device through the interface engine.

Claim 11 (original) The integrated chip of claim 10, wherein the interface engine comprises a serial interface engine.

Claim 12 (original) The integrated chip of claim 10, wherein the interface engine comprises a parallel interface engine.

Claim 13 (original) The integrated chip of claim 10, wherein the memory module is further comprising:

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a buffer device electrically coupling to the micro-controller and the memory card interface module for temporarily storing the input/output between the external device and the memory card; and

an program execution device electrically coupling to the micro-controller for storing the micro-controller's operational and concurrent program.

Claim 14 (original) The integrated chip of claim 10, wherein the memory card interface module supports at least one of the many formats of a memory card.

Claim 15 (original) The integrated chip of claim 10, wherein the common input/output module supports interfaces includes a button-type receiver, a wireless receiver, or an infrared receiver.

Claim 16 (new) The device of claim 1, wherein the integrated chip is capable of integrating a card-reading function and an instruction-input function, the integrated chip comprising:

an interface engine, for processing serial/parallel information to an external device;

a memory card interface module, for transmitting an input/output from/to a memory card;

a common input/output module, for receiving a break instruction from one of the many different formats of an input interface;

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a memory module electrically coupling to the interface engine, the memory card interface module for storing the input/output and a concurrent program; and

a micro-controller electrically coupling to the interface engine, the memory card interface module, and the common input/output module and the memory module for processing the input/output and the break instruction from the memory card interface module and the common input/output module, wherein the micro-controller controls the transmission between the memory module and the external device through the interface engine.

Claim 17 (new) The device of claim 16, wherein the interface engine comprises a serial interface engine.

Claim 18 (new) The device of claim 16, wherein the interface engine comprises a parallel interface engine.

Claim 19 (new) The device of claim 16, wherein the memory module is further comprising:

a buffer device electrically coupling to the micro-controller and the memory card interface module for temporarily storing the input/output between the external device and the memory card; and

an program execution device electrically coupling to the micro-controller for storing the micro-controller's operational and concurrent program.

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Claim 20 (new) The device of claim 16, wherein the memory card interface module supports at least one of the many formats of a memory card.

Claim 21 (new) The device of claim 16, wherein the common input/output module supports interfaces includes a button-type receiver, a wireless receiver, or an infrared receiver.